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## WHAT IS CLAIMED IS:

1	1. A method for processing a source document in a structured document format
2	including elements providing source content to render, wherein the source content comprises
3	code that is rasterized into output, comprising:
4	receiving the source document;
5	receiving a layout data structure providing formatting properties specifying a layout and
6	format of the content output;
7	processing the source document and the layout data structure to determine formatting
8	properties, including page divisions, for the content in the source document;
9	generating multiple page objects, wherein each page object includes source content and
10	formatting properties for one page; and
11	transmitting the page objects to a rasterizer to transform into renderable information
12	capable of being generated by an output device.
1	2. The method of claim 1, wherein the source document includes statements in a
2	first presentation language, further comprising:
3	transforming the source document and source content therein into a result document in
4	second presentation language, wherein the result document includes the source content and the

The method of claim 2, wherein the layout data structure comprises a separate 3. 1

formatting properties provided by the layout data structure, wherein the formatting properties

indicate page divisions of the content, and wherein the multiple page objects are generated from

2 document from the source document.

the result document.

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- 1 4. The method of claim 2, wherein the first presentation language comprises the
  2 Extensible Markup Language (XML) and wherein the second presentation language comprises
  3 Extensible Stylesheet Language Formatting Objects (XSL-FO), and wherein the page layout
  4 data structure comprises an XSL stylesheet.

  5. The method of claim 2, wherein the page objects include formatting properties
  in a third presentation language.
- 1 6. The method of claim 5, wherein the first presentation language comprises the
  2 Extensible Markup Language (XML), wherein the second presentation language comprises
  3 Extensible Stylesheet Language Formatting Objects (XSL-FO), wherein the third presentation
  4 language comprises the Mixed Object Document Content Architecture (MO:DCA), and
  5 wherein the layout data structure comprises an XSL stylesheet.
- 7. The method of claim 5, wherein the third presentation language comprises a page description language.
- 1 8. The method of claim 2, wherein the page objects include content and formatting 2 properties in the second presentation language.
- 1 9. The method of claim 2, wherein the second presentation language comprises 2 Extensible Stylesheet Language Formatting Objects (XSL-FO).
- 1 10. The method of claim 1, wherein the page objects include content and formatting 2 properties in a device independent presentation language.



1	11. The method of claim 1, wherein the source content is in a page description
2	language.
1	12. The method of claim 1, wherein the source document and page objects include
2	the formatting properties in a same presentation language.
1	13. The method of claim 1, wherein the page object includes content and formatting
2	properties for one page.
1	14. The method of claim 1, wherein the source document does not indicate page
2	divisions for the content.
1	15. A system for processing a source document in a structured document format
2	including elements providing source content to render, wherein the source content comprises
3	code that is rasterized into output, comprising:
4	means for receiving the source document;
5	means for receiving a layout data structure providing formatting properties specifying a
6	layout and format of the content output;
7	means for processing the source document and the layout data structure to determine
8	formatting properties, including page divisions, for the content in the source document;
9	means for generating multiple page objects, wherein each page object includes source
10	content and formatting properties for one page; and
11	means for transmitting the page objects to a rasterizer to transform into renderable

12 information capable of being generated by an output device.

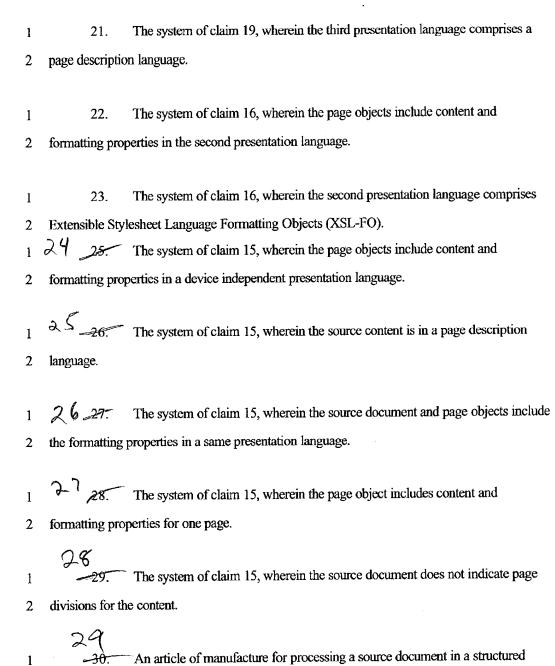
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The system of claim 15, wherein the source document includes statements in a 16. 1 first presentation language, further comprising: 2 means for transforming the source document and source content therein into a result 3 document in a second presentation language, wherein the result document includes the source 4 content and the formatting properties provided by the layout data structure, wherein the 5 formatting properties indicate page divisions of the content, and wherein the multiple page 6 7 objects are generated from the result document. The system of claim 16, wherein the layout data structure comprises a separate 17. 1 document from the source document. 2 The system of claim 15, wherein the first presentation language comprises the 18. 1 Extensible Markup Language (XML) and wherein the second presentation language comprises 2 Extensible Stylesheet Language Formatting Objects (XSL-FO), and wherein the page layout 3 data structure comprises an XSL stylesheet. The system of claim 15, wherein the page objects include formatting properties 19. 1 2 in a third presentation language. The system of claim 19, wherein the first presentation language comprises the 20. 1 Extensible Markup Language (XML), wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO), wherein the third presentation 3 language comprises the Mixed Object Document Content Architecture (MO:DCA), and 4

wherein the layout data structure comprises an XSL stylesheet.



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document format including elements providing source content to render, wherein the source

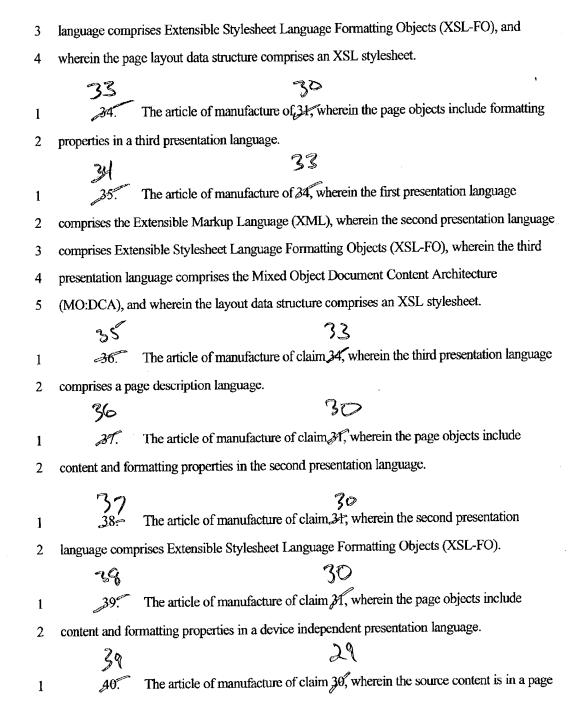


3	content comprises code that is rasterized into output, and wherein the article of manufacture
4	comprises code capable of causing a processor to perform:
5	receiving the source document;
6	receiving a layout data structure providing formatting properties specifying a layout and
7	format of the content output;
8	processing the source document and the layout data structure to determine formatting
9	properties, including page divisions, for the content in the source document;
10	generating multiple page objects, wherein each page object includes source content and
11	formatting properties for one page; and
12	transmitting the page objects to a rasterizer to transform into renderable information
13	capable of being generated by an output device.
	30 29
1	31. The article of manufacture of claim 30, wherein the source document includes
2	statements in a first presentation language, and wherein the code is further capable of causing
3	the processor to perform:
4	transforming the source document and source content therein into a result document in a
,5	second presentation language, wherein the result document includes the source content and the
6	formatting properties provided by the layout data structure, wherein the formatting properties
7	indicate page divisions of the content, and wherein the multiple page objects are generated from
8	the result document.
	31
1	The article of manufacture of claim 31, wherein the layout data structure
2	comprises a separate document from the source document.
	30
1	The article of manufacture of 31, wherein the first presentation language
2	comprises the Extensible Markup Language (XML) and wherein the second presentation

2

description language.

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- The article of manufacture of claim 30, wherein the source document and page
- 2 objects include the formatting properties in a same presentation language.

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- The article of manufacture of claim 30, wherein the page object includes
- 2 content and formatting properties for one page.

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The article of manufacture of claim 30, wherein the source document does not indicate page divisions for the content.